

## APPENDIX F

### LABORATORY FURNITURE AND EQUIPMENT

		Magnitude of Plant Effluent (mgd)		
		0.1	0.1 to 1	1
For activated sludge-type plants	Items	1, 2, 3, 6	1, 2, 3, 5, 6	1, 2, 3, 4, 6
For trickling filter and sand filter plants or stabilization ponds	Items	1, 2, 6	1, 2, 3, 6	1, 2, 3, 5, 6
For Imhoff tank (sludge only) or anaerobic digester-type plants	Items	2, 5	2, 4	1, 2
For aerobic digester-type plants	Items	2, 5	2, 5	2, 5

**Item 1.** One metal center laboratory bench assembly (108 inches long, 54 inches wide, 30 inches high) equipped with 4 cupboards; not less than 24 drawers; a bottle rack (104 inches long, 12 inches wide, 18 inches high); a lead-lined or chemical composition trough (100 inches long, 6 inches wide, 3 to 6 inches deep); a stone or chemical composition sink (24 inches long, 16 inches wide, 12 inches deep); 4 single gooseneck cold water faucets; 1 double faucet with gooseneck; 1 set of sink fittings; 4 double gas cocks; and 4 double power outlets (1 15V). The tabletop should be stone or chemical composition, scored to drain to the drain trough. The bottle rack should be constructed of material that is resistant to water chemicals and wear.

**Item 2.** One balanced table (36 inches wide, 21 inches high, 24 inches deep) constructed of marble.

**Item 3.** One metal supply case (48 inches wide, 16 inches high) with 5 adjustable shelves.

**Item 4.** One metal chemistry laboratory well bench assembly (96 to 120 inches long, 30 inches high, 30 inches wide) equipped with a stone or chemical composition top and: 1 sink (24 inches long, 16 inches wide, 12 inches deep) with hot and cold water faucets; 2 cup sinks with single gooseneck cold water faucets; 4 double power outlets (115V); 2 double gas cocks; and containing at least 16 drawers.

**Item 5.** Similar to item 4 except 72 inches long.

**Item 6.\*** One 5-ft hood assembly with blower and motor. Included are gas cock and power (1 15V) outlets, 1 cup sink with single gooseneck cold water faucet and bench assembly as the base.

*NOTE:* Additional furniture Will be added as required to meet applicable regulatory requirements for the specific treatment plant under consideration.

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\* Necessary only if nitrogen (total Kjeldahl) and phosphorus are analyzed.